



Union Pier Passenger Terminal

Design Meeting II – Preliminary Concepts
June 1, 2011

Jim Newsome
President & CEO
South Carolina Ports Authority



Existing Conditions



Concept Plan for Union Pier Waterfront - an illustrative concept

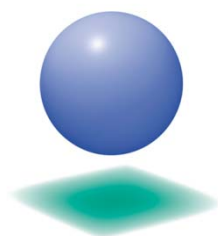


Extensive Public Input





Design Team



CH2MHILL



DesignWorks



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Mandatory Plan Elements

VESSEL

- Wharf
- Passenger Loading Bridge
- Link Terminal & Ship
- Security Considerations

OUTSIDE/ON-SITE

- Passenger Arrival/Departure
- On-Site Parking
- Wayfinding/Orientation
- Ship's Stores
- Security Considerations

INSIDE BUILDING

- Passenger Screening
- Check-In Area
- Passenger Waiting Area
- Transition to Ship
- Wayfinding/Orientation
- Baggage Laydown
- Terminal Exit
- Amenities/Necessities
- Security Considerations



What We Heard

- Vehicle Circulation & Parking
- Connecting the Terminal to its Surroundings
- The Building's Design



What We Heard:

Vehicle Circulation & Parking

- Improve Vehicle Flow
- Address Street Closures
- Multiple Means to Access Terminal
- Use Landscaping, Not Fences
- Make Parking Areas Attractive
- Consider Moving Drop-off Entrance to South Side of Terminal



What We Heard:

Connecting the Terminal to its Surroundings

- Landscaping
- Lighting
- Reduce the Industrial 'Feel' of the Area
- Noise Abatement



What We Heard:

The Building's Design

- Contextual to Charleston
- Low Profile, Minimize Envelope
- Materials Relevant to Charleston
- Celebrates, Interprets, Connects with Charleston's Maritime History
- Sustainable Materials, Practices
- Connect to Rest of Peninsula
- One-Berth Facility



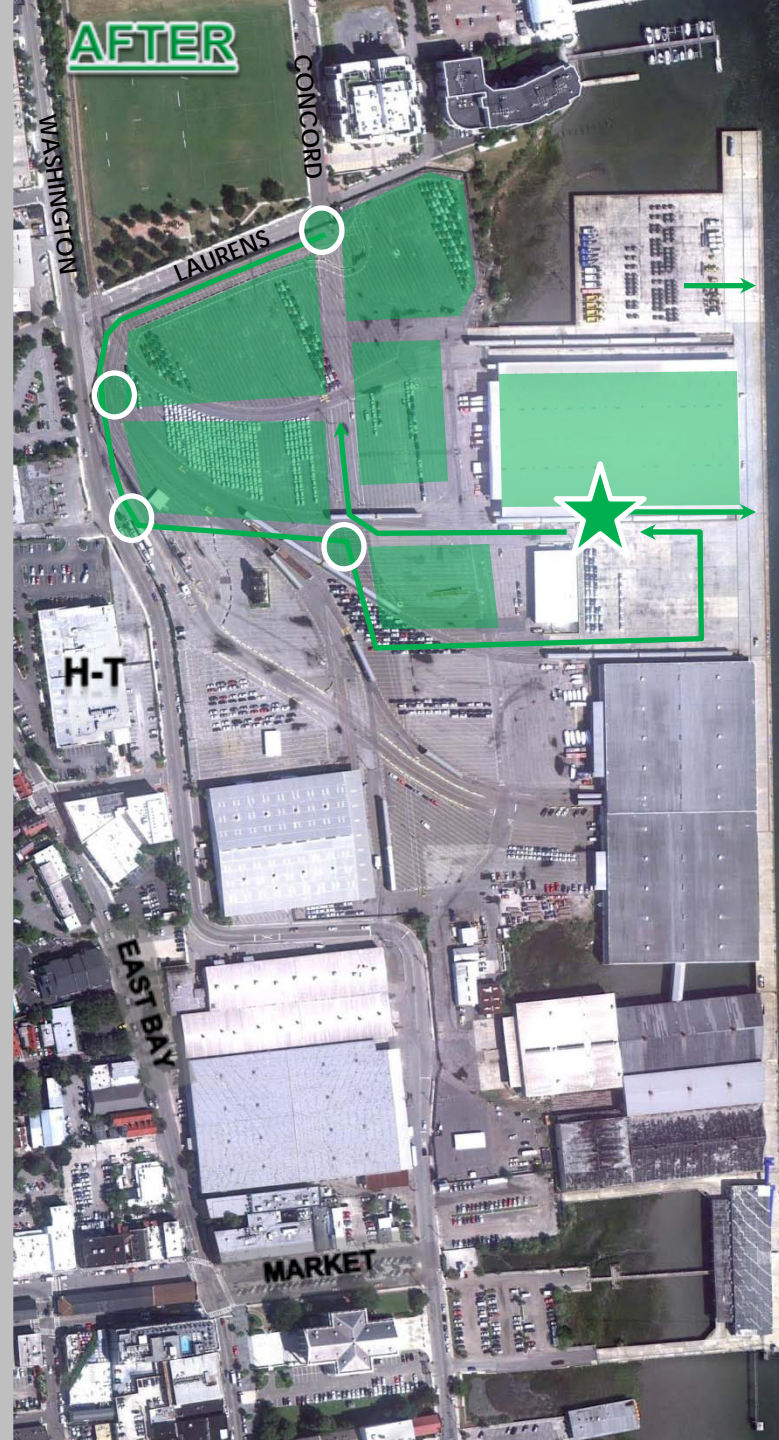
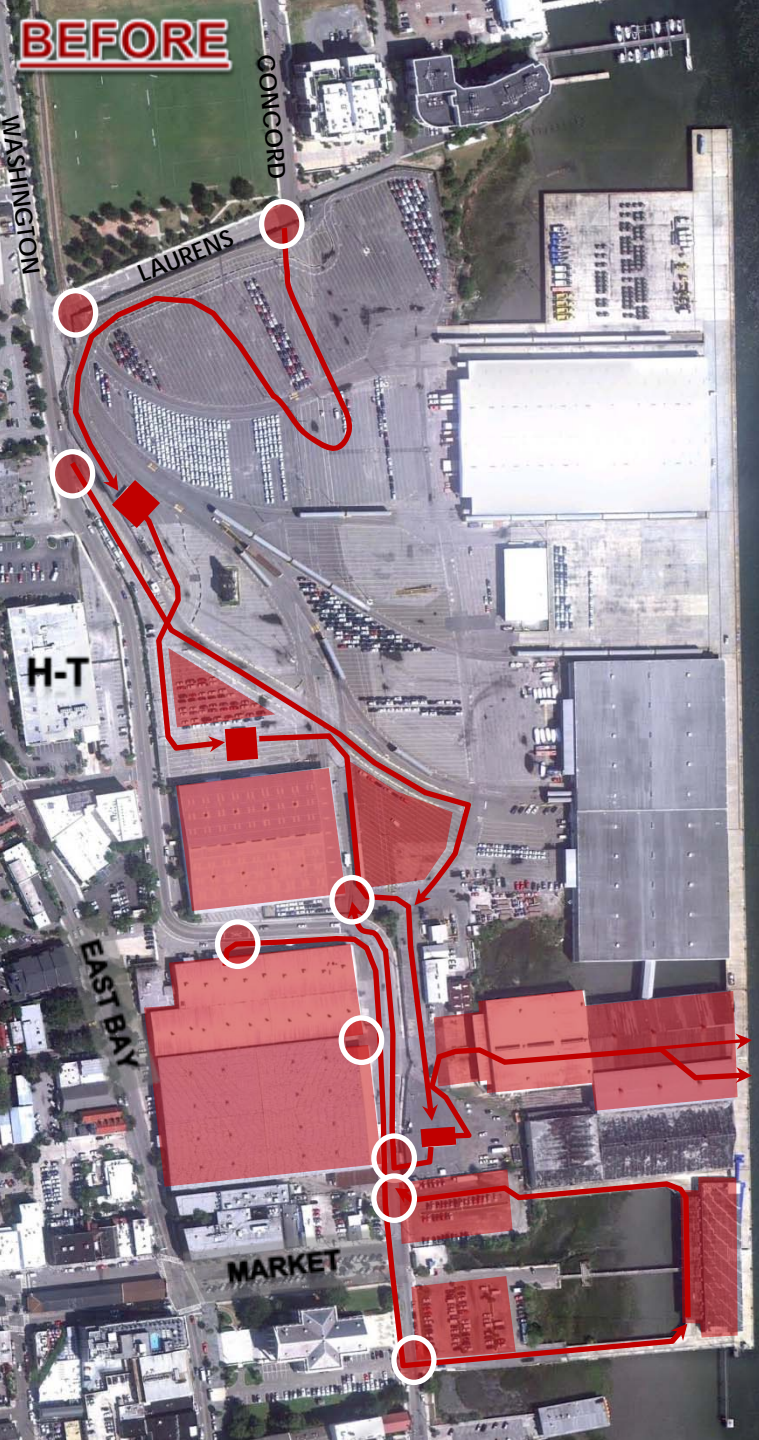


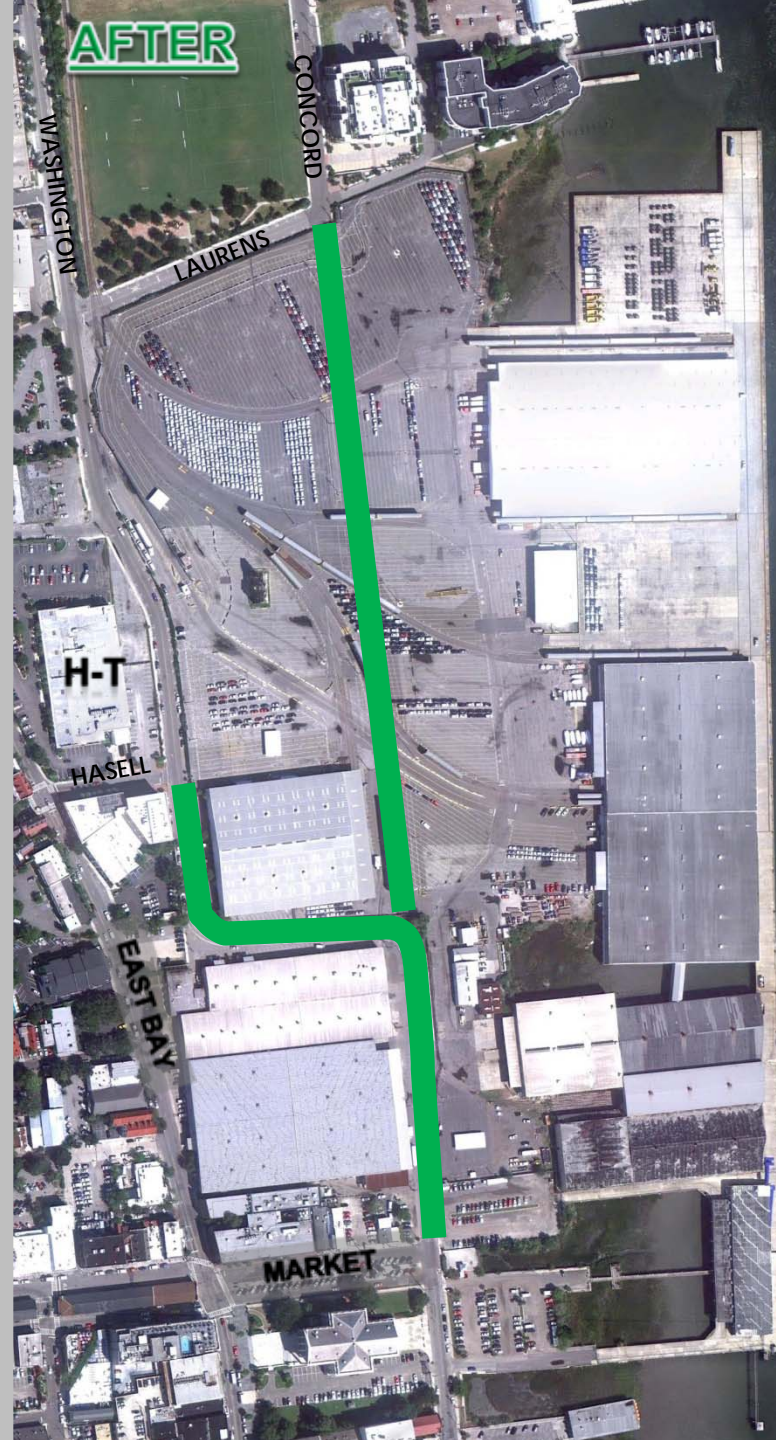
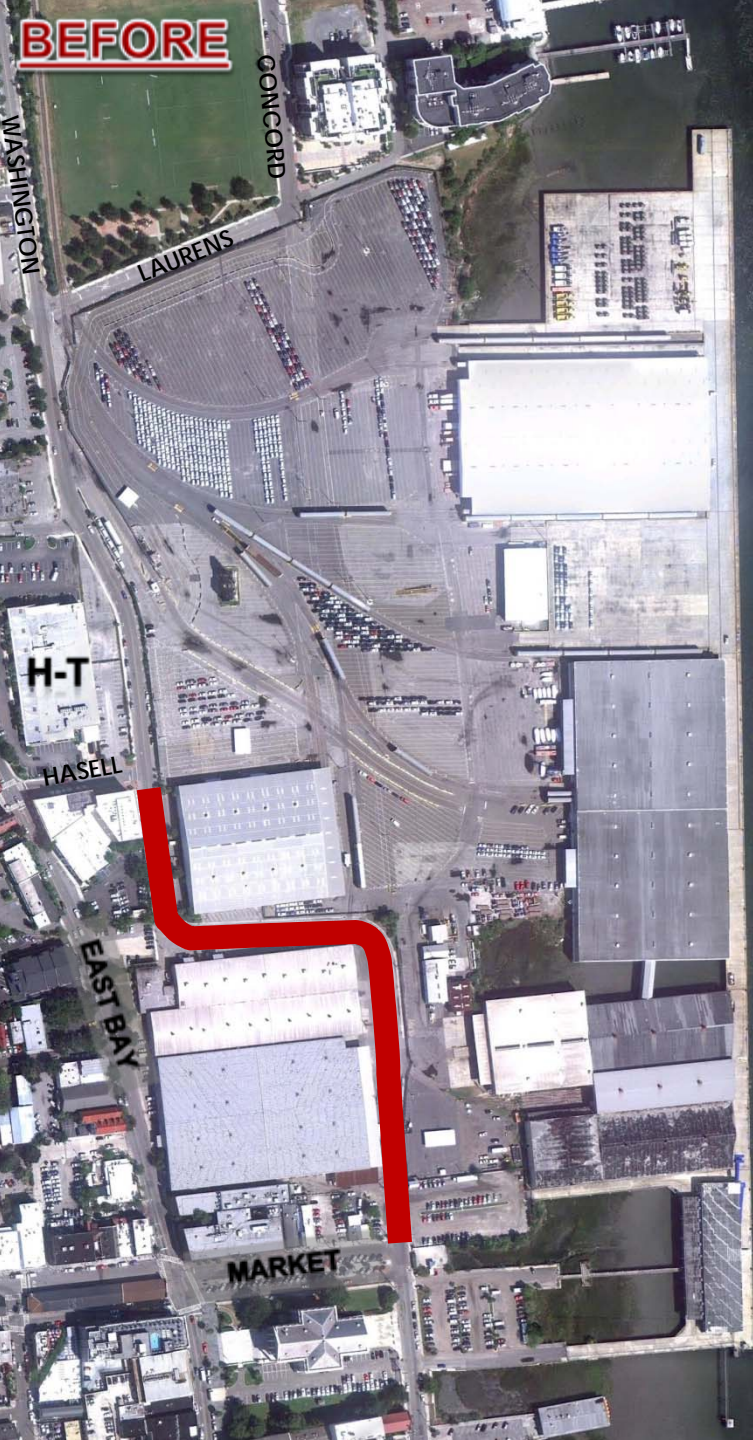
Preliminary Concepts

VEHICLE CIRCULATION & PARKING

Thom Penney
LS3P









Preliminary Concepts

CONNECTION OF SITE TO CITY

Thom Penney
LS3P



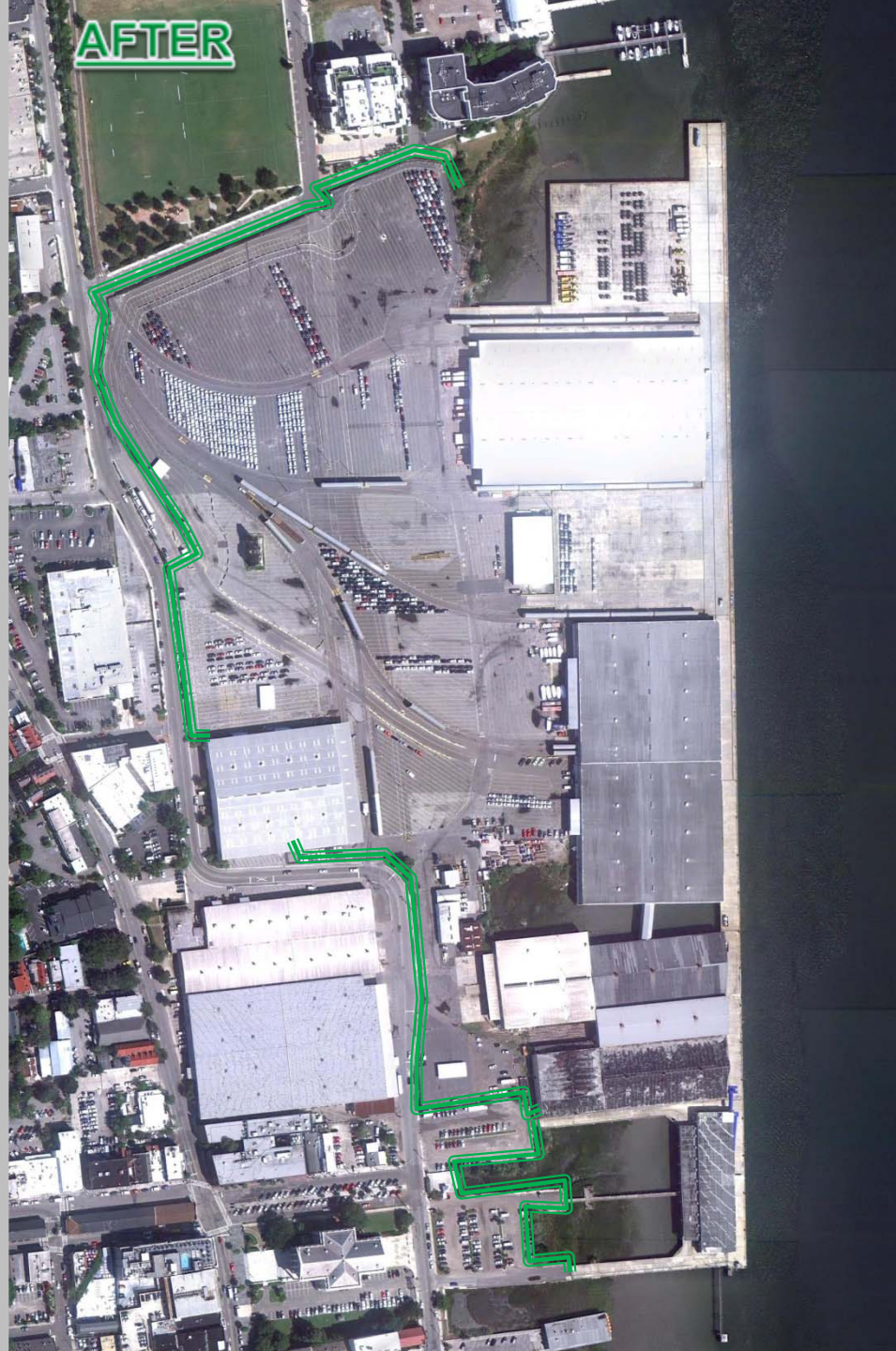




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BEFORE



AFTER

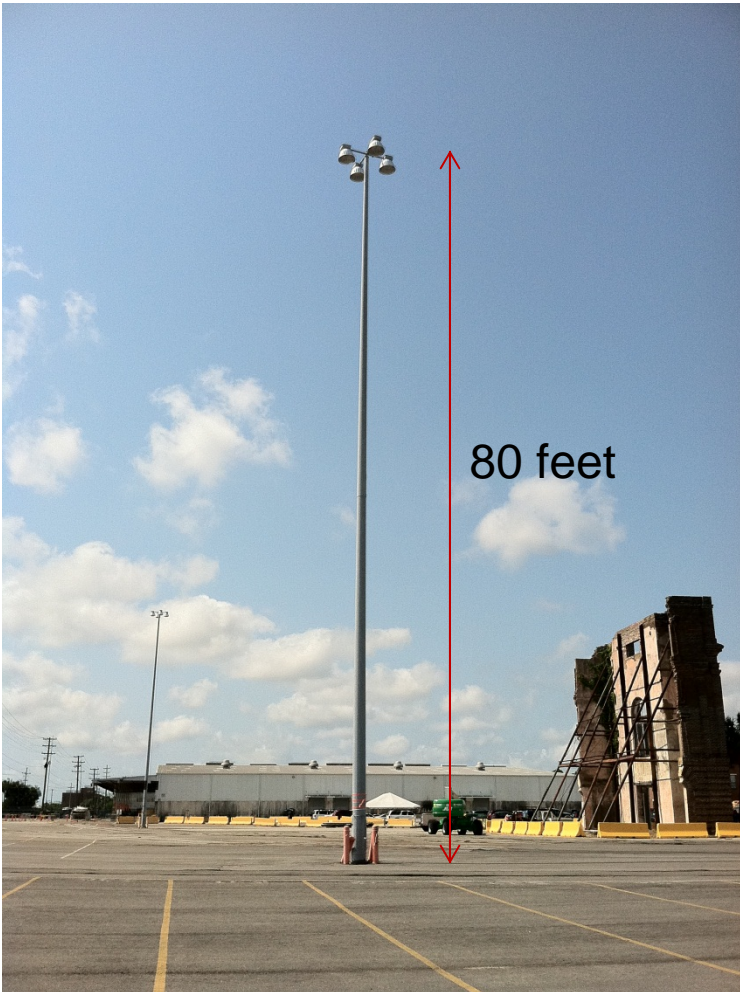


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BEFORE

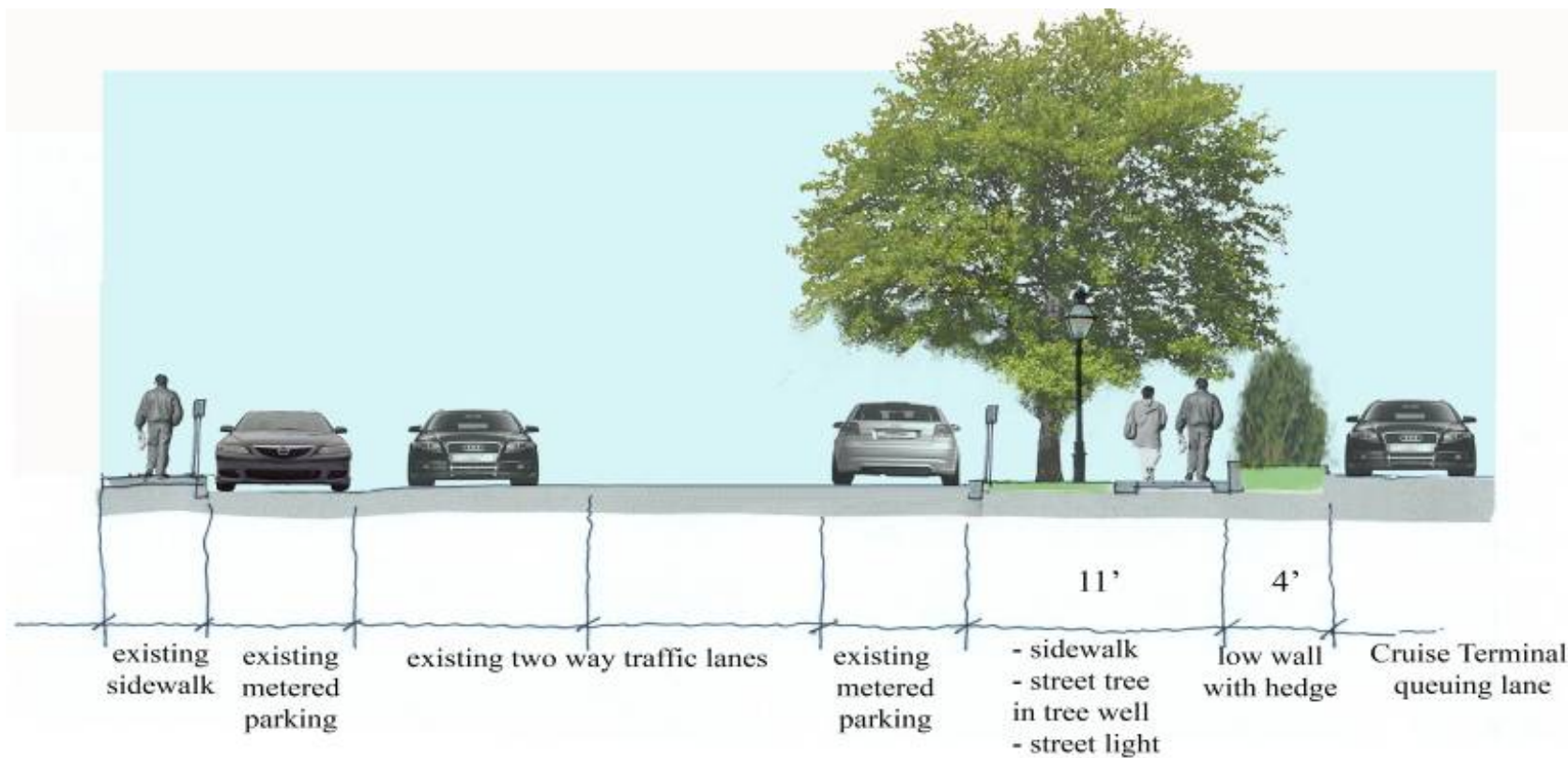


AFTER



11 feet







Preliminary Concepts

THE BUILDING'S DESIGN

Thom Penney
LS3P



PIAZZAS





LOUVERS



TABBY



TABBY SEAWALL REMNANTS 18 - 22 LIMEHOUSE STREET

A network of seawalls constructed of tabby, a locally made mixture of crushed oyster shells, sand and lime based mortar, was constructed in the 18th and 19th century along the Charleston waterfront.

This system of seawalls was constructed to protect residents from flooding which was common prior to the extension of the Battery and Murray Boulevard in the early 20th century. The Murray Boulevard land reclamation effort led to the filling of 47 acres of marshes for the extension of the neighborhoods to the south and west of Limehouse Street.

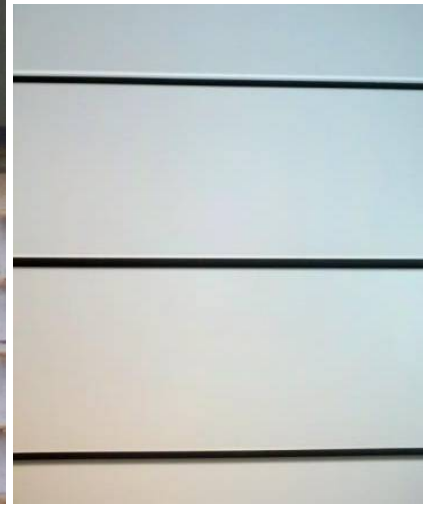
One remaining seawall, now landbound by several blocks, can be seen at this point on Limehouse Street as it runs east to Greenhill Street. Other seawall fragments remain in the neighborhood, but are not visible from the street.

placed by
THE PRESERVATION SOCIETY OF CHARLESTON
1996

SITE CONNECTIONS THRESHOLDS



WHITE SIDING



MARITIME CULTURE



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TTGX
700782

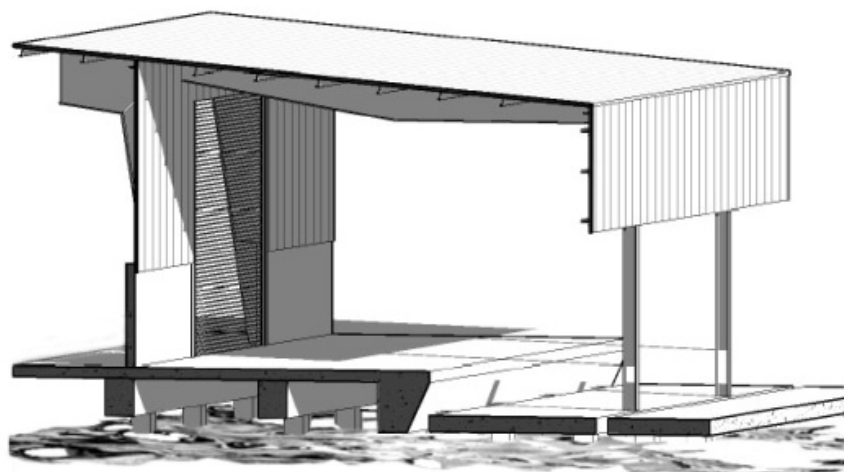
LOADED HEIGHT 6'6" LOADED HEIGHT 6'6"

TTGX
002203

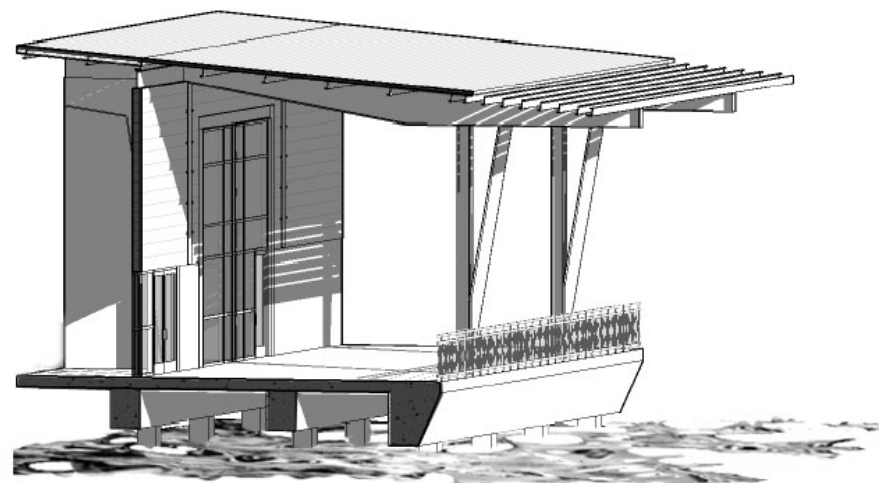
CAUTION
LOOK
OUT
FOR
FORKLIFTS



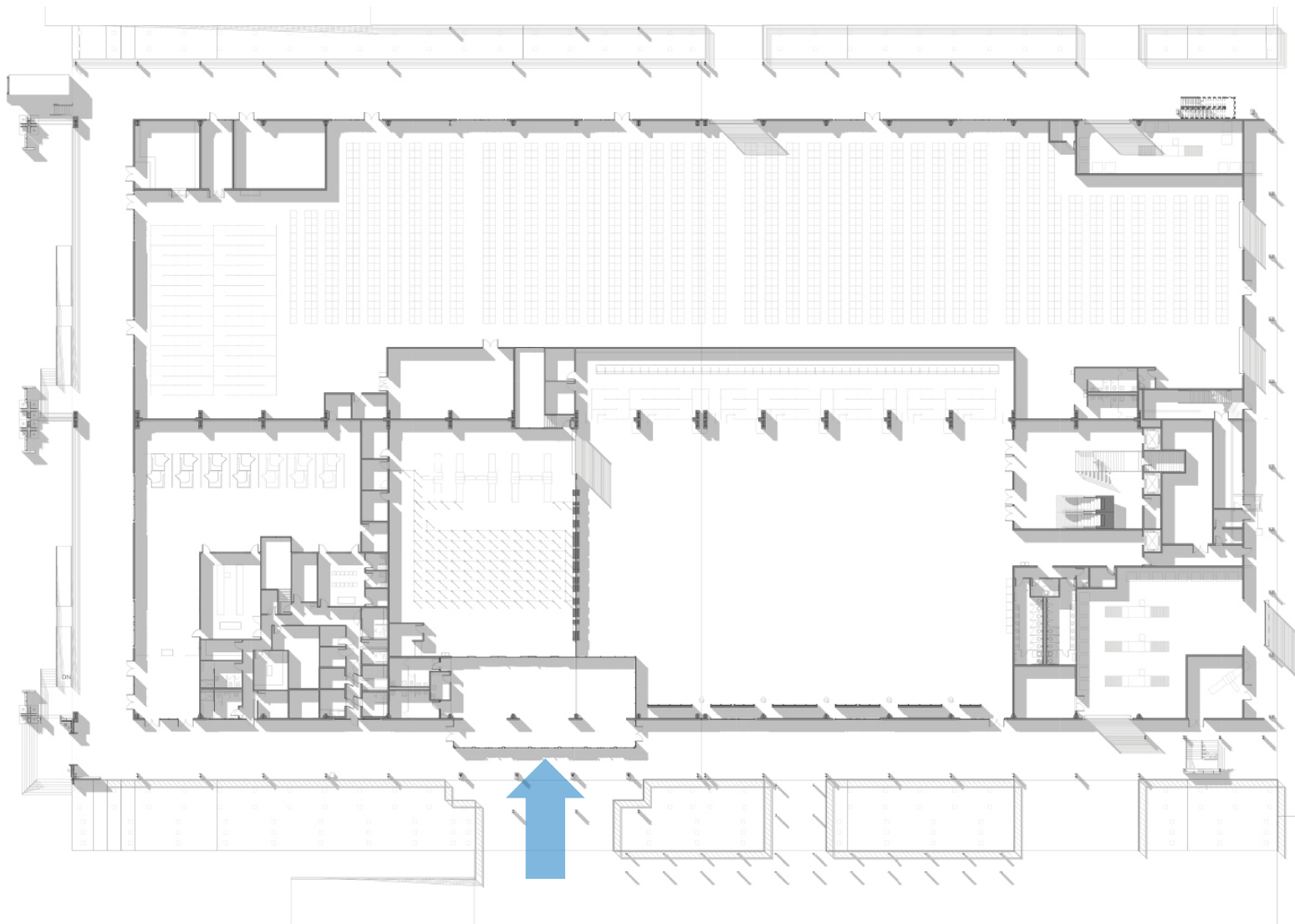
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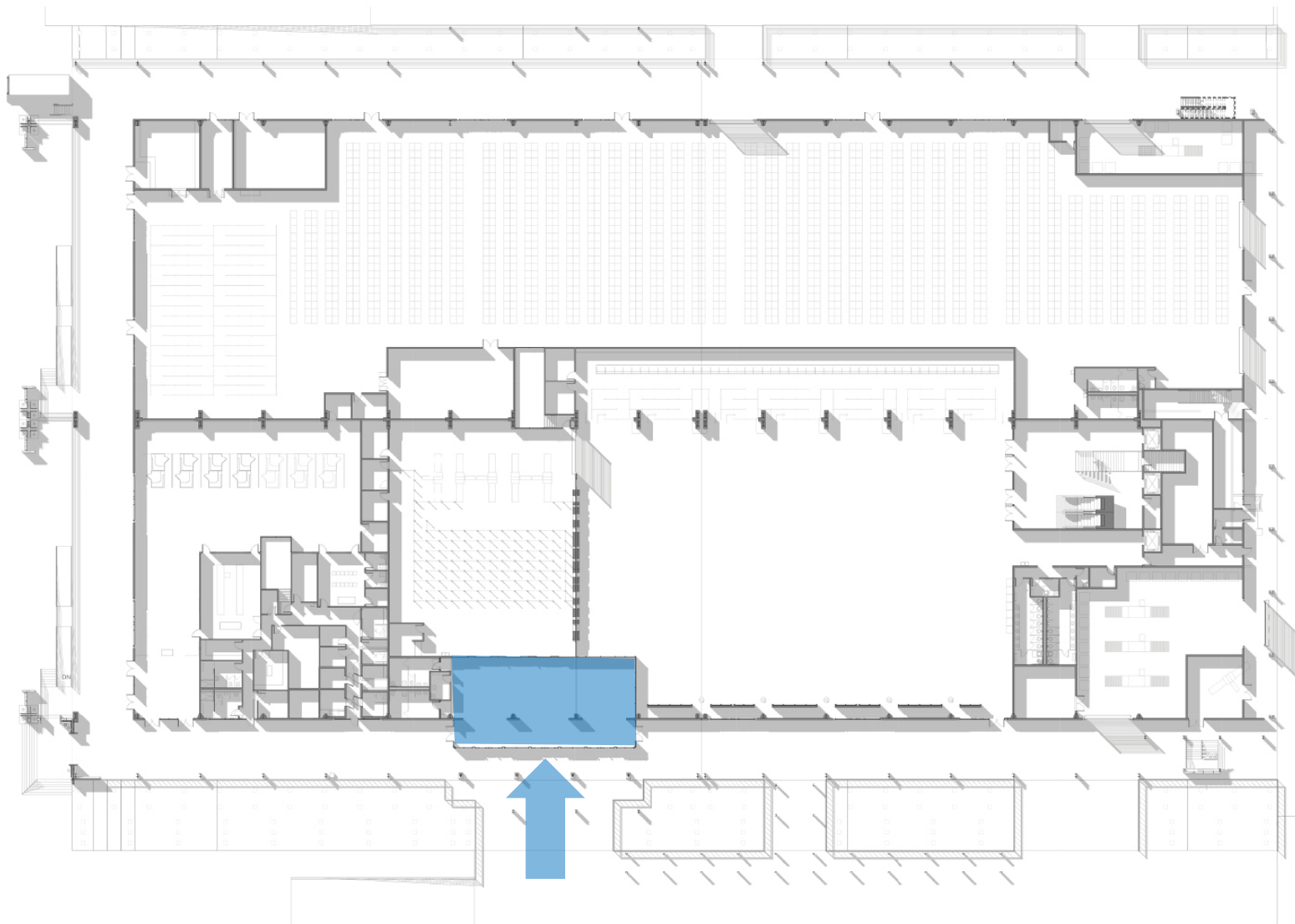


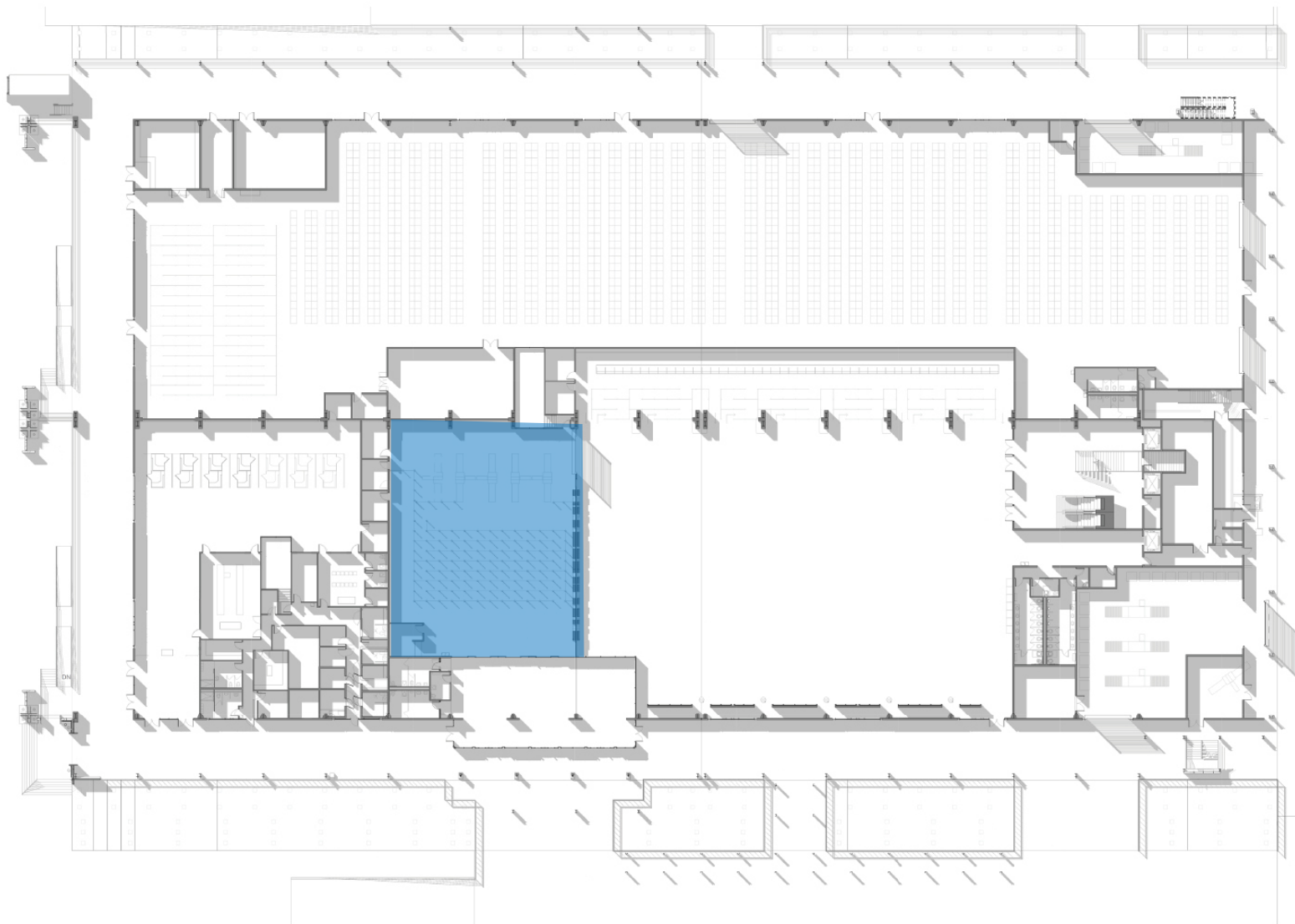
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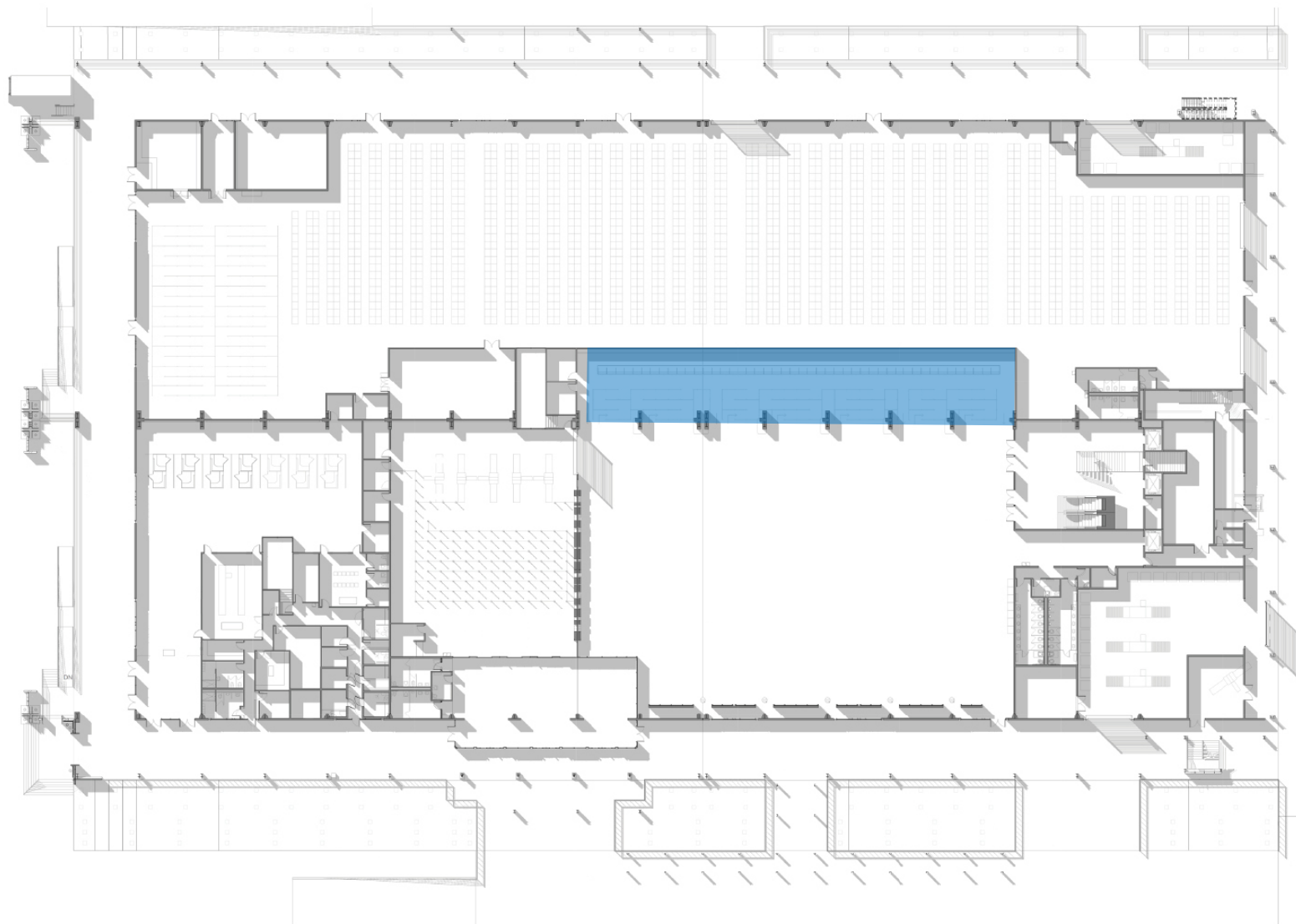


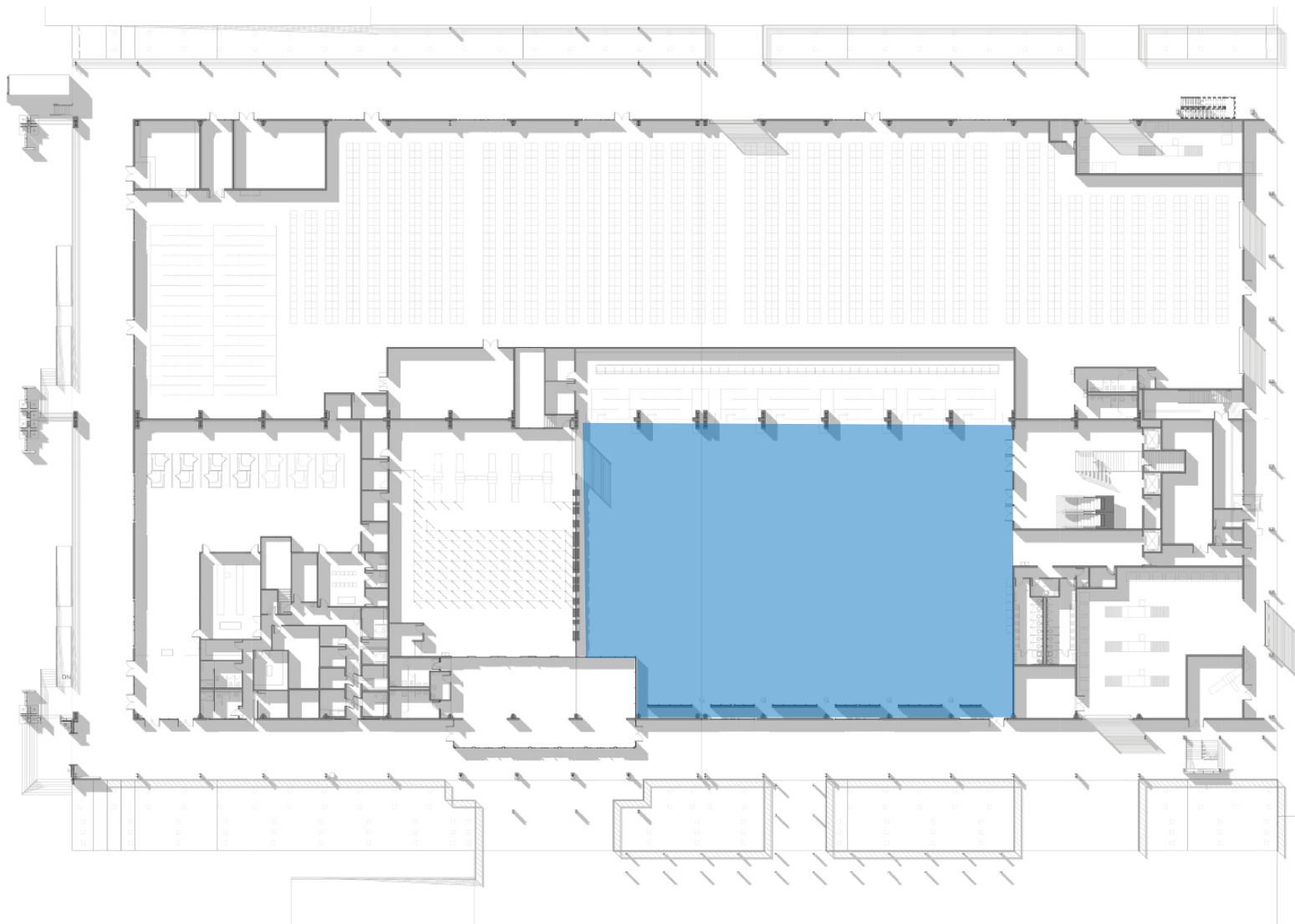


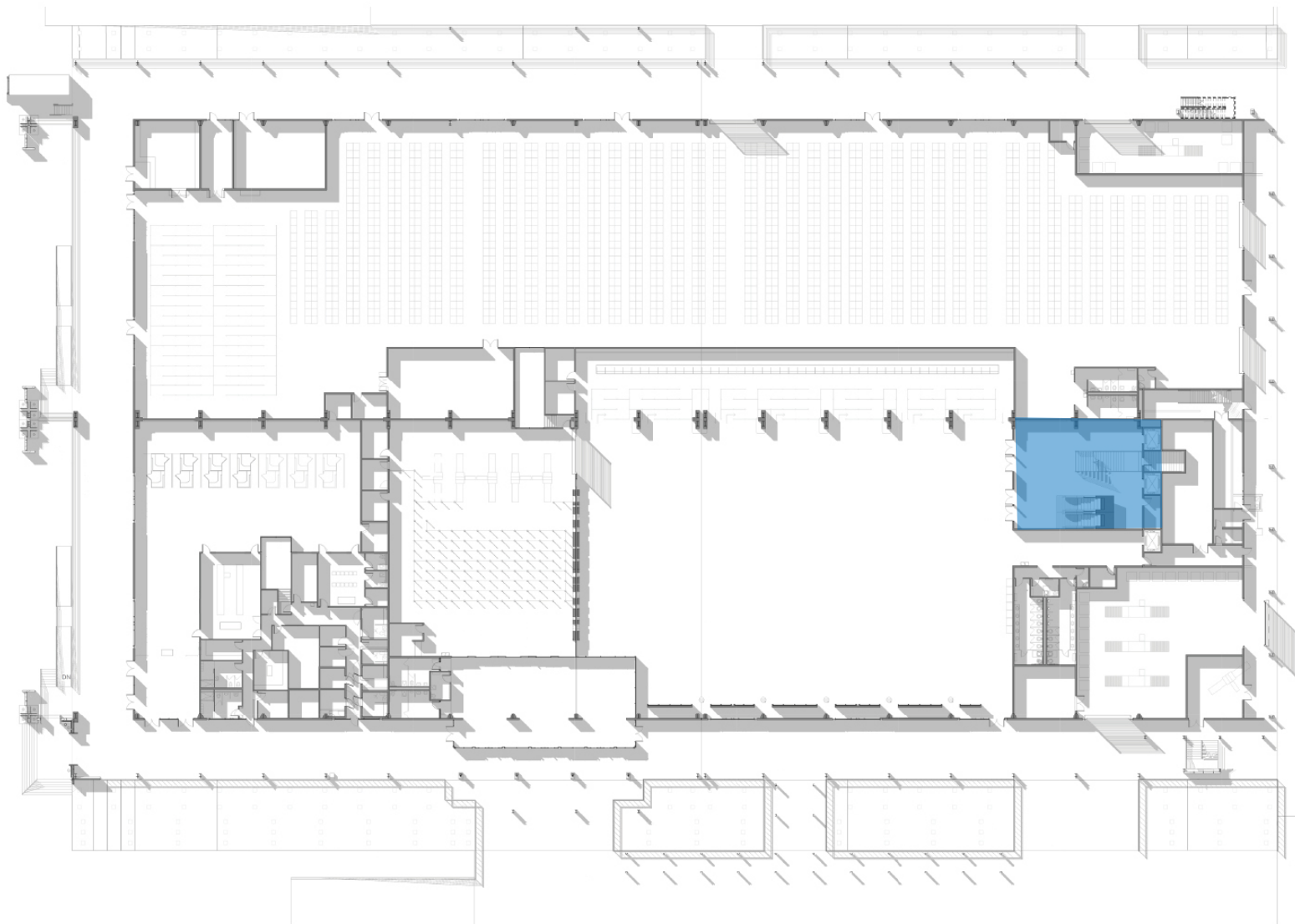


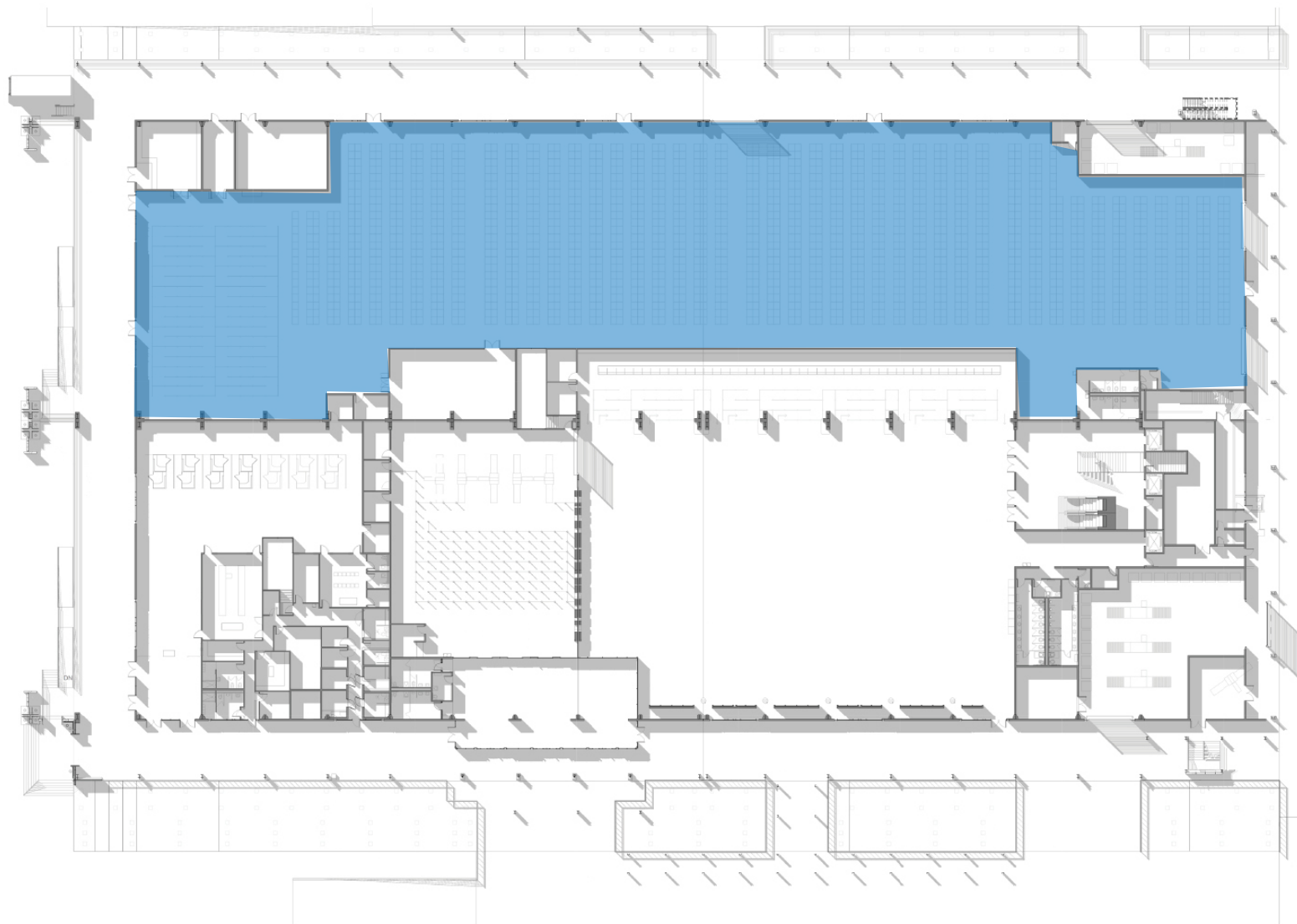


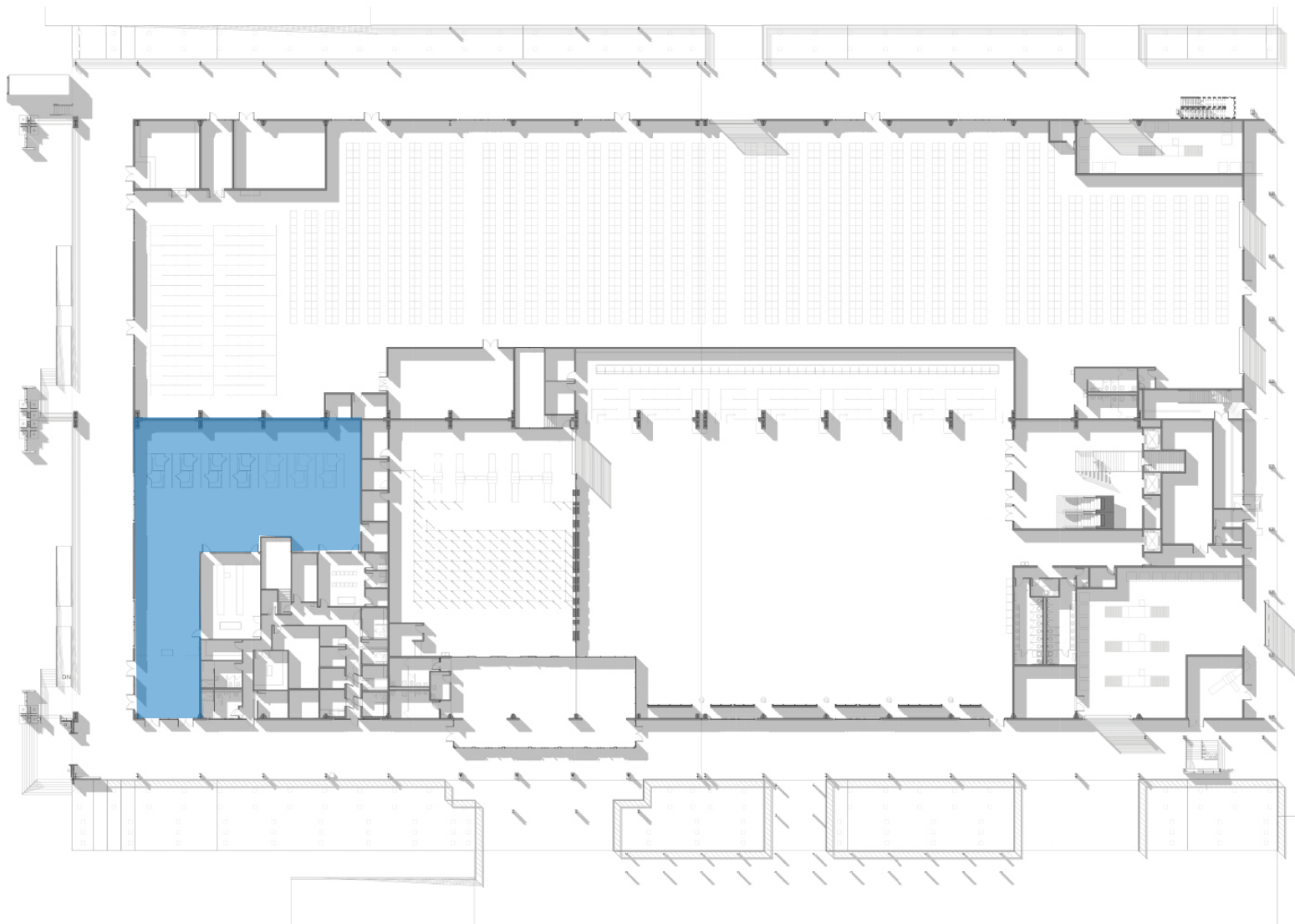






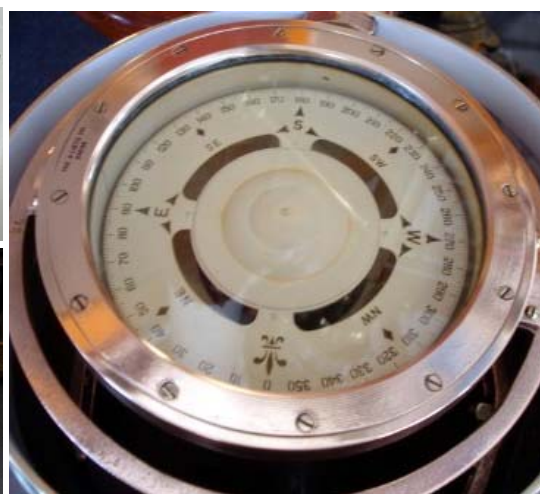
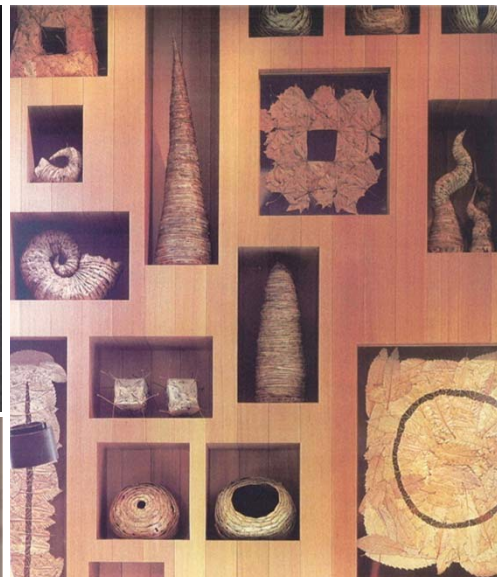




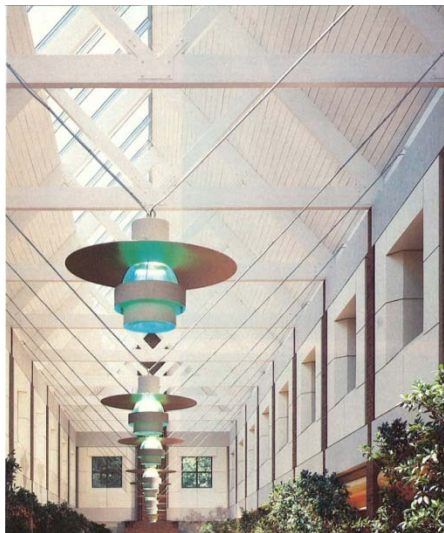
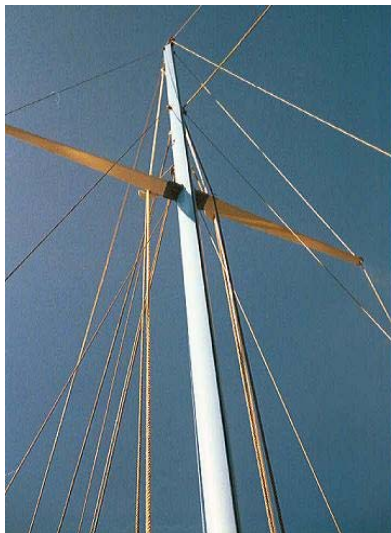




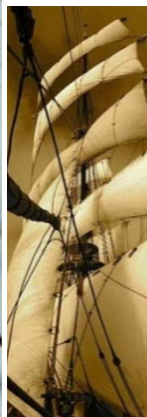
ARTIFACTS



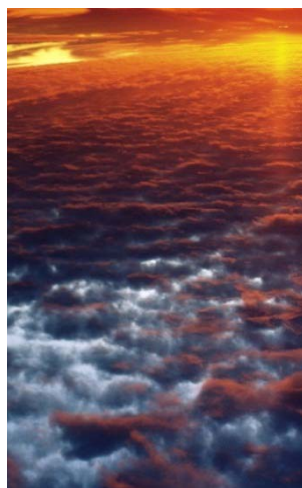
SHIPS RIGGING & LIGHTING



SAILS & CEILING



WATERWALLS



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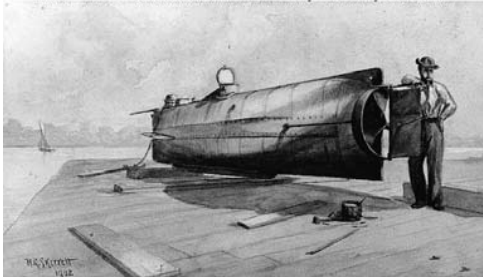
FINISHES





MURALS

Photo # NH 999 Confederate submarine H.L. Hunley. Artwork by R.G. Skerrett



462. Toating Rice, Charleston, S. C.

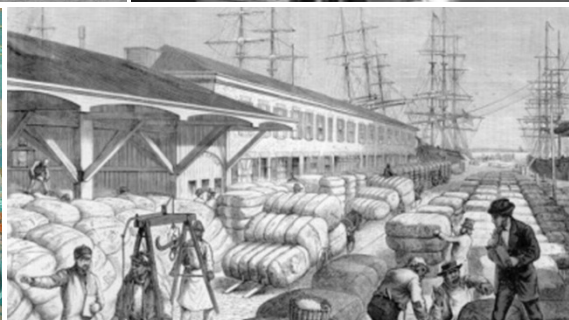


Photo # 19-N-26590 (cropped) Destroyers at the Charleston Navy Yard, S. C., January 1942





FURNITURE







Breakout Sessions

Thom Penney
LS3P





Project Benefits:

Vehicle Circulation & Parking

- improving traffic flow
- addressing Concord/Washington
- multiple means to/through the site
- using landscaping instead of fences
- making the parking areas attractive
- moving drop-off to the southern side



Project Benefits:

Connecting the Terminal with Surroundings

- including the use of landscaping
- place-making, looks like Charleston
- having appropriate lighting
- reducing the industrial 'feel' of the area
- noise abatement.



Project Benefits:

The Building's Design

- contextual to Charleston
- presents a low profile yet is visually fitting and interesting
- celebrates, interprets and connects with Charleston's maritime history
- uses sustainable materials and practices
- uses building and landscaping materials relevant to Charleston





Timeline

- May/June/July: Public Input, Design Work
- Refine, Finalize, Present Design
- Prepare for Renovations
- Late 2011: Begin Construction
- Late 2012: Open New Terminal
- Master Plan Non-Maritime Properties



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www.UnionPierPlan.com